Summit on Water Technology & the California Drought:
Leveraging Technology to Build a Drought Resilient California

Hosted by California State Government and co-sponsored by Imagine H2O and the Association of California Water Agencies (ACWA)

Friday, July 10, 9:00 AM to 4:45 PM
CalEPA Headquarters, Sacramento, CA

8:15-9:00 AM: REGISTRATION AND TECHNOLOGY EXPOSITION
Water technologies that have been successfully deployed in California will be on display outside Byron Sher Auditorium during the daylong summit.

9:00-10:30 AM: PLENARY SESSION ONE (Byron Sher Auditorium)

- **Welcome & Opening Remarks**

- **Water Technology in California Today**
  Presenters will outline the current state of water technology and highlight where it has been successfully deployed across agricultural, urban and residential, and commercial and industrial sectors.

    - **Water Technology in Agriculture**
      What technologies have been successfully deployed by California growers today and to what scale? What new and promising technologies are not yet commercialized? What challenges exist to expanding or improving technologies for agricultural irrigation?

    - **Water Technology in the Urban and Residential Sector**
      What technologies have been successfully implemented by urban water agencies in California cities and towns? What new and promising technologies could be deployed in the near future? What are the barriers to expanding and improving technologies in the urban and residential sector?

  Panel Discussion: Reactions to presentations and thoughts on current landscape
  What other water technologies been effectively deployed in California? Are there technologies that have been deployed outside of California that are not yet scaled up in our state? Where do the greatest opportunities exist for increased use of technology to improve California's water use?

10:45-11:45 AM: DEEP-DIVE SESSION ONE

1. **Agricultural Water-Use Efficiency: Water Technologies to Improve Farming and Ranching (Coastal Hearing Room)**
   What technologies should be introduced or scaled up in the agricultural sector? Specifically, how can we expand drip irrigation and other forms of water saving irrigation technology? To what extent can we increase broadband access to leverage wireless irrigation technology and precision agriculture? What new technologies show promise in this sector?

2. **Expanding Water Supplies: Water Technologies to Recycle or Desalinate Water (Sierra Hearing Room)**
   Where do these technologies stand? How can they be improved or scaled up? What are the barriers to increasing water reuse and augmenting existing supplies?

3. **The Water Energy Nexus: Opportunities to Improve Water and Energy Efficiency Together (Klamath Training Room)**
   Where are the greatest opportunities to leverage technology to decrease the embedded energy in urban and agricultural water sourcing, treatment and conveyance, and end-use? What technologies can increase the efficiency of water use for energy production? How can we support increased deployment of these technologies?

11:45-12:45 PM: LUNCH AND TECHNOLOGY EXPOSITION
Please join us on the second floor of the CalEPA building outside Byron Sher Auditorium for lunch and further explore technologies on display.

12:45-2:00 PM: PLENARY SESSION TWO (Byron Sher Auditorium)

- **Opening Remarks**

- **Achieving a Sustainable California Water Future through Innovations in Science and Technologies: Findings of a report from the California Council on Science and Technology (CCST)**

- **Panel Discussion: Discussion of challenges and opportunities to expanding water technology**
  How can water technologies be prioritized and implemented? What are the current barriers to expanded deployment of successful technologies? How can the state, water agencies, and other stakeholders support further water technology deployment?

2:15-3:15 PM: DEEP-DIVE SESSION TWO

4. **Residential and Commercial Water-Use Efficiency: Water Technology for Water System Management and End-Use Efficiency (Coastal Hearing Room)**
   What are the most promising technologies to improve urban water system management and end-user efficiency? How can we expand and improve data for

better water use? What tools and data-sharing platforms are needed to leverage water technology? What other technologies are most promising to help homes and businesses better use their water?

5. **Fostering Innovation: Commercializing Water Technology and Economic Development Opportunities (Sierra Hearing Room)**
   What are the current barriers to introducing and scaling-up new technologies? What strategies have successfully supported commercialization of water technologies? Who implements these strategies and what role do water agencies and local and state government play in these strategies?

6. **Managing Natural Systems: Water Technology for Improved Watershed and Ecosystem Management (Klamath Training Room)**
   What technologies can help improve management of our ecosystems? How can we increase deployment of technology for sustainable watershed and ecosystem management?

3:30-4:45 PM: CLOSING PLENARY: DISTILLING KEY FINDINGS FROM DEEP-DIVE SESSIONS AND WHERE WE GO FROM HERE (Byron Sher Auditorium)
Facilitators from each breakout session will report major "take-aways" from their session and share new ideas and emerging areas of consensus. Speaker will then highlight promising areas of focus in the coming months and years to deploy and expand water technologies.

4:45-7:00 PM: RECEPTION HOSTED BY IMAGINE H2O AND TECHNOLOGY EXHIBITON
Please join us for a post-summit reception hosted by Imagine H2O outside of Byron Sher Auditorium and further explore technologies on display.

SPECIAL THANKS TO OUR SPONSORS ACWA AND IMAGINE H2O